

36-2279: Anti-CD64 Monoclonal Antibody(Clone: 10.1)

Clonality :	Monoclonal
Clone Name :	10.1
Application :	FACS,IHC
Reactivity :	Human
Gene :	FCG10.1A
Gene ID :	2209
Uniprot ID :	P12314
Alternative Name :	CD64; CD64A; CD64b; CD64c; Fc fragment of IgG, high affinity Ia, receptor (CD64); FCGR1; FCGR1A; FCGR1B; FCGR1C; FcRI; FcRIB; FCRI; High affinity immunoglobulin gamma Fc receptor IB; IGFR1; IGFRB; IGFR1C
Isotype :	Mouse IgG1, kappa
Immunogen Information :	FCG10.1A / CD64 antibody was raised against rheumatoid synovial fluid cells and fibronectin Purified human monocytes.

Description

Three different classes of IgG Fc receptors have been described: Fc stimulation. CD64 plays a putative role in the initiation of cell-mediated cytotoxicity. Thus far, three genes encoding four distinct CD64 transcripts have been described. CD64 has been shown to associate with signal transducing subunit of the high affinity IgE receptor. Src family kinases Hck and Lyn show increased kinase activity and will co-immunoprecipitate with CD64 subsequent to receptor cross linking.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (2-4ug/million cells); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);